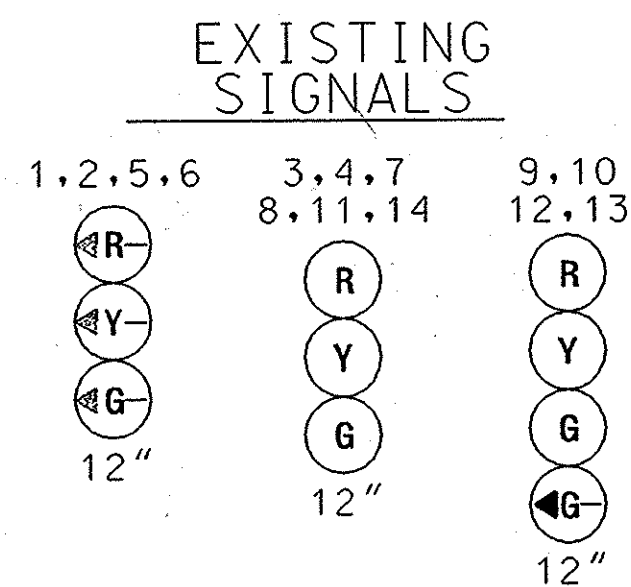


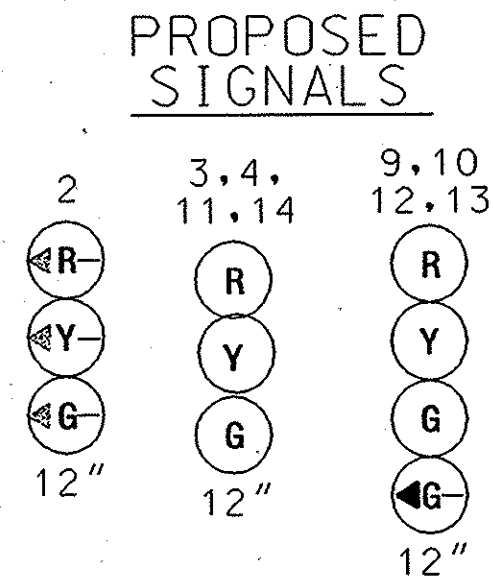


U.S. 40 IS ASSUMED TO RUN  
IN AN EAST-WEST DIRECTION

A-D  
VIDEO DETECTION  
CAMERAS



EXISTING SIGNALS TO  
HAVE LED MODULES  
INSTALLED



TO BE REPLACED WITH  
BLACK-FACED LED  
SIGNAL HEADS

SPAN WIRE 22'-6"  
TELEPHONE 24'-2"  
GUY WIRE 25'-4"  
GUY WIRE 28'-9"  
PRIMARY +32'

GAS STATION

SPAN WIRE 22'-6"  
TELEPHONE 24'-2"  
GUY WIRE 25'-4"  
GUY WIRE 28'-9"  
PRIMARY +32'

SPAN WIRE 22'-6"  
TELEPHONE 24'-2"  
GUY WIRE 25'-4"  
GUY WIRE 28'-9"  
PRIMARY +32'

TELEPHONE 22'-6"  
FIBER OPTIC 24'-2"  
SPAN 25'-4"  
GUY WIRE 28'-9"  
PRIMARY +32'

**EXISTING SIGNS**

15,16,17,20  
**St. Johns Lane**  
D-3(1) (DUAL FACED)  
(VARIABLE X 16")

18,19,21-23  
**ONLY**  
R3-5L  
(30" X 36")

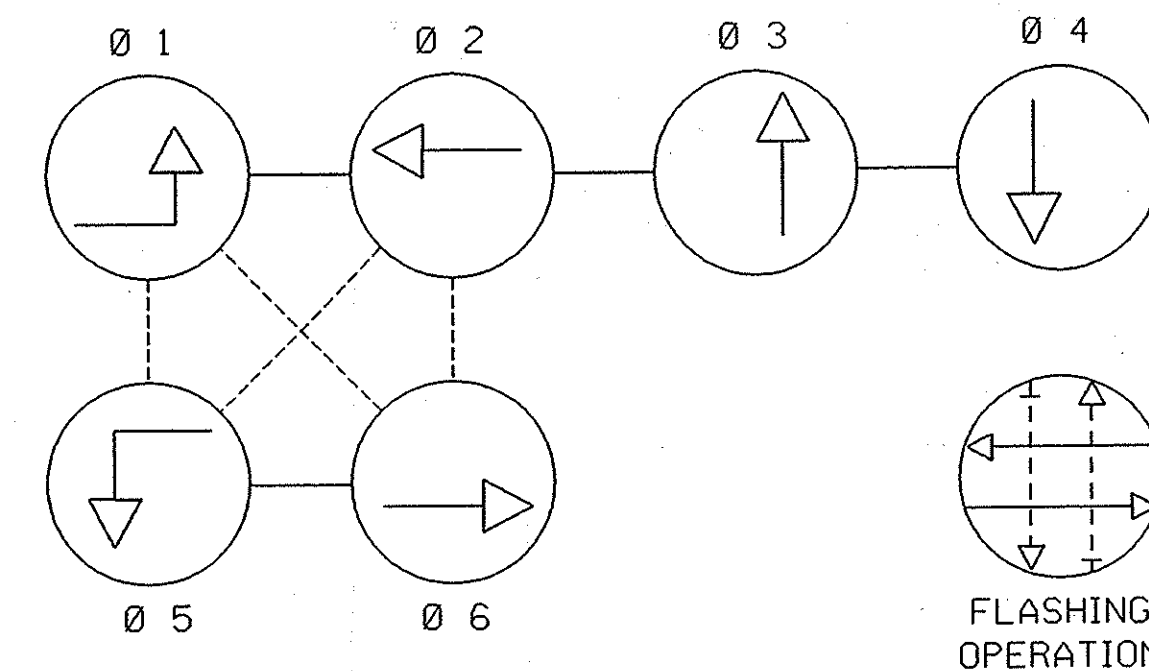
26  
**ONLY**  
R3-5(L)  
(30" X 36")

24,27  
**R3-6**  
(30" X 36")

25,28  
**ONLY**  
R3-5(R)  
(30" X 36")

29  
**ONLY**  
R3-8 MOD  
(45" X 30")

**NEMA PHASING**



**PHASING NOTES:**

- PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
- PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.

RIGHT-OF-WAY LINE

U.S. 40 WB

RIGHT-OF-WAY LINE

EXISTING GEOMETRICS

PROPOSED GEOMETRICS

EXISTING GEOMETRICS

U.S. 40 EB

ONE HANDHOLE  
EXISTS WITHIN  
BREAK

RIGHT-OF-WAY LINE

SPAN WIRE 23'-6"  
TELEPHONE 27'-9"  
GUY WIRE 28'-9"  
PRIMARY +32'

GAS STATION

RIGHT-OF-WAY LINE

**EQUIPMENT LISTS**

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

NONE

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
8002	21 EA	12 INCH RED OR GREEN LED SIGNAL HEAD SECTION
8003	9 EA	12 INCH YELLOW LED SIGNAL HEAD SECTION
8025	15 EA	LED SIGNAL HEAD MODULES ANY SIZE
8028	1 EA	REMOVE AND DISPOSE MATERIAL AND EQUIPMENT PER ASSIGNMENT

**LEGEND OF UNDERGROUND  
AND OVERHEAD UTILITIES**

AERIAL CABLE \_\_\_\_\_ A  
ELECTRICAL \_\_\_\_\_ E  
TELEPHONE \_\_\_\_\_ T  
GAS \_\_\_\_\_ G  
SEWER \_\_\_\_\_ S  
WATER \_\_\_\_\_ W  
CABLE TV \_\_\_\_\_ TV

**CONSTRUCTION DETAILS**

- REMOVE EXISTING SIGNAL HEAD AND REPLACE WITH BLACK FACED SIGNAL HEADS IN SAME LOCATION. (EXISTING WIRING TO BE UTILIZED).
- USE EXISTING SIGNAL HEAD AND INSTALL LED SIGNAL HEAD MODULES

**LANE DROP PAVEMENT MARKING  
LOCATION FOR S.B. ST. JOHNS LN.**

TRAFFIC CONTROL DEVICE	DISTANCE FROM STOPLINE
LEFT ARROW	50'
LEFT/THRU ARROW	50'
RIGHT ARROW	50'
LEFT "ONLY"	90'
RIGHT "ONLY"	90'
LEFT ARROW	130'
LEFT/THRU ARROW	130'
RIGHT ARROW	130'
R3-8 MOD SIGN	130'

**GENERAL NOTES**

- ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
- INSTALL LOOP DETECTION 1 FT. BEHIND STOPLINE.

TOD No: AT782-05  
SHA: HO431A51/B51

REVISIONS	APPROVALS
(1) UPGRADE E/B, N/B AND S/B WITH BLACKFACE SIGNAL HEADS 9/05	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
(2) INSTALL LOOP DETECTION DUE TO DOUBLE LEFT TURN SB ST. JOHNS SHA NO. 8492402	ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
(3) AS BUILT SHA 855-10738 5/26/96	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, TRAFFIC & SAFETY



**MARYLAND DOT - STATE HIGHWAY ADMINISTRATION**  
Office of Traffic & Safety  
**TRAFFIC ENGINEERING DESIGN DIVISION**  
TRAFFIC SIGNALIZATION PLAN  
US 40 AND ST. JOHNS LANE

DRAWN BY: D.DISTANCE	F.A.P. NO. HO-716-501-776	TS NO. TS-181 G	SHEET NO. 14 OF 15
CHECKED BY: 1" = 20'	COUNTY: HOWARD	T.I.M.S. NO.	
DATE: 5/90	LOG MILE: 13004018.00		